

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 765

DATE: JANUARY 1, 2020

PROJECT RP0633

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	C08J	7/045, 7/047
Symbols New:	C08J	7/0423, 7/0427, 7/043, 7/044, 7/046, 7/048, 7/05, 7/052, 7/054, 7/056
Titles Changed:	C08J	7/04
Warnings New:	C08J	7/04, 7/043, 7/044, 7/046, 7/048, 7/05, 7/052, 7/054, 7/056
Notes Modified:	C08J	Subclass
DEFINITIONS:		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	C08J	7/045, 7/047
Definitions New:	C08J	7/0423, 7/0427
Definitions Modified:	C08J	7/04, 7/042

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL):

A61J1/14, C09D167/00, C09D169/00

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3. REVISION CONCORDANCE LIST (RCL)

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)**SUBCLASS C08J - WORKING-UP; GENERAL PROCESSES OF COMPOUNDING; AFTER-TREATMENT NOT COVERED BY SUBCLASSES C08B, C08C, C08F, C08G**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
C	C08J7/04	1	Coating	C08J7/04, C08J7/043, C08J7/044, C08J7/046, C08J7/048, C08J7/05, C08J7/052, C08J7/054, C08J7/056
U	C08J7/042	2	{with two or more layers, where at least one layer of a composition contains a polymer binder}	
N	C08J7/0423	3	{with at least one layer of inorganic material and at least one layer of a composition containing a polymer binder}	
N	C08J7/0427	2	{with only one layer of a composition containing a polymer binder (with more layers C08J7/042)}	
N	C08J7/043	2	Improving the adhesiveness of the coatings per se, e.g. forming primers (adhesives in the form of films or foils characterised by the primer layers between the polymer carriers and the adhesives C09J7/50)	
N	C08J7/044	2	Forming conductive coatings; Forming coatings having anti-static properties	
D	C08J7/045	3	{with at least one layer of inorganic material and at least one layer of a composition containing a polymer binder}	<administrative transfer to C08J7/0423>
N	C08J7/046	2	Forming abrasion-resistant coatings; Forming surface-hardening coatings	
D	C08J7/047	2	{with only one layer of a composition containing a polymer binder (with more layers C08J7/042)}	<administrative transfer to C08J7/0427>
N	C08J7/048	2	Forming gas barrier coatings	
N	C08J7/05	2	Forming flame retardant coatings or fire resistant coatings	

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N	C08J7/052	2	Forming heat-sealable coatings	
N	C08J7/054	2	Forming anti-misting or drip-proofing coatings	
N	C08J7/056	2	Forming hydrophilic coatings	
U	C08J7/06	2	with compositions not containing macromolecular substances	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalization projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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B. New, Modified or Deleted Warning(s)

SUBCLASS C08J - WORKING-UP; GENERAL PROCESSES OF COMPOUNDING; AFTER-TREATMENT NOT COVERED BY SUBCLASSES C08B, C08C, C08F, C08G

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C08J 7/04		Group C08J 7/04 is impacted by reclassification into groups C08J 7/043, C08J 7/044, C08J 7/046, C08J 7/048, C08J 7/05, C08J 7/052, C08J 7/054, and C08J 7/056. All groups listed in this Warning should be considered in order to perform a complete search.
N	C08J 7/043		Group C08J 7/043 is incomplete pending reclassification of documents from group C08J 7/04. Groups C08J 7/04 and C08J 7/043 should be considered in order to perform a complete search.
N	C08J 7/044		Group C08J 7/044 is incomplete pending reclassification of documents from group C08J 7/04. Groups C08J 7/04 and C08J 7/044 should be considered in order to perform a complete search.
N	C08J 7/046		Group C08J 7/046 is incomplete pending reclassification of documents from group C08J 7/04. Groups C08J 7/04 and C08J 7/046 should be considered in order to perform a complete search.
N	C08J 7/048		Group C08J 7/048 is incomplete pending reclassification of documents from group C08J 7/04. Groups C08J 7/04 and C08J 7/048 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C08J 7/05		Group C08J 7/05 is incomplete pending reclassification of documents from group C08J 7/04. Groups C08J 7/04 and C08J 7/05 should be considered in order to perform a complete search.
N	C08J 7/052		Group C08J 7/052 is incomplete pending reclassification of documents from group C08J 7/04. Groups C08J 7/04 and C08J 7/052 should be considered in order to perform a complete search.
N	C08J 7/054		Group C08J 7/054 is incomplete pending reclassification of documents from group C08J 7/04. Groups C08J 7/04 and C08J 7/054 should be considered in order to perform a complete search.
N	C08J 7/056		Group C08J 7/056 is incomplete pending reclassification of documents from group C08J 7/04. Groups C08J 7/04 and C08J 7/056 should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

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C. New, Modified or Deleted Note(s)

SUBCLASS C08J - WORKING-UP; GENERAL PROCESSES OF COMPOUNDING; AFTER-TREATMENT NOT COVERED BY SUBCLASSES C08B, C08C, C08F, C08G

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	C08J	<p>1. This subclass <u>covers</u> processes, not covered by subclasses C08B - C08H , for treating polymers. In this subclass, in the absence of an indication to the contrary, classification is made in the last appropriate place</p> <p>2. When classifying in subclass C08J, the treatment of specific polymers is indicated using indexing codes chosen from C08J2300/00 or subgroups thereof. Example:</p> <ul style="list-style-type: none"> • Preparation of particles of polystyrene by impregnation of the particles with the blowing agent: C08J9/18 and C08J2325/06 . <p>The use of a polymeric component in minority, e.g. masterbatch, coating, impregnating agent or thin binder is indicated using indexing codes chosen from C08J2400/00 or subgroups thereof. Examples:</p> <ul style="list-style-type: none"> • Use of PMMA as masterbatch in a polystyrene composition: C08J3/226 and C08J2325/06 and C08J2433/10 • Bonding of polystyrene by heating: C08J5/121 and C08J2325/06 • Coating of a polyethylene substrate with a polyurethane coating: C08J7/047 and C08J2323/06 and C08J2475/04 	<p><u>Replace:</u> The existing symbol C08J7/047 with the new symbol C08J7/0427. There are a total of three instances where the change should be made. These are found under paragraph headings 3, 4, and 6 of the note. The new note should read and be numbered as follows.</p> <p>1. This subclass <u>covers</u> processes, not covered by subclasses C08B - C08H, for treating polymers. In this subclass, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p> <p>2. When classifying in subclass C08J, the treatment of specific polymers is indicated using indexing codes chosen from C08J2300/00 or subgroups thereof. Example:</p> <ul style="list-style-type: none"> • Preparation of particles of polystyrene by impregnation of the particles with the blowing agent: C08J9/18 and C08J2325/06. <p>3. The use of a polymeric component in minority, e.g. masterbatch, coating, impregnating agent or thin binder is indicated using indexing codes chosen from C08J2400/00 or subgroups thereof. Examples:</p> <ul style="list-style-type: none"> • Use of PMMA as masterbatch in a polystyrene composition: C08J3/226 and C08J2325/06 and C08J2433/10 • Bonding of polystyrene by heating: C08J5/121 and C08J2325/06 • Coating of a polyethylene substrate with a polyurethane coating: C08J7/0427 and C08J2323/06 and C08J2475/04 • Use of ABS as an additive for foamed polyacrylamide:

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<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
		<ul style="list-style-type: none"> Use of ABS as an additive for foamed polyacrylamide: C08J9/0061 and C08J2333/26 and C08J2455/02 <p>In the following subgroups, the codes of C08J2300/00 - C08J2399/00 are used to specify:</p> <ul style="list-style-type: none"> C08J3/226: the polymeric material to which the masterbatch carrier is added. C08J7/047: the polymeric substrate to be coated. C08J9/0061: the polymeric component in majority in a multicomponents foamable blend. <p>3. Group C08J2400/00 was introduced on January 1st, 2012. Patent documents are continuously being reclassified. As a consequence, documents published before 01/01/2012, and to which C08J2400/00 indexing codes were allocated, are indexed in the corresponding head group. Example:</p> <ul style="list-style-type: none"> Use of PMMA as masterbatch in a polystyrene composition: C08J3/226 and C08J2325/06 and C08J2433/00, instead of C08J2433/10. <p>In the following subgroups, the codes of C08J2400/00 - C08J2499/00 are used to specify:</p> <ul style="list-style-type: none"> C08J3/226: the polymeric carrier in a masterbatch. C08J5/12: the chemical nature of the adhesive C08J7/047: the chemical nature of the coating(s). C08J9/0061: the polymeric component in minority in a multicomponents foamable blend. 	<p>C08J9/0061 and C08J2333/26 and C08J2455/02</p> <p>4. In the following subgroups, the codes of C08J2300/00 - C08J2399/00 are used to specify:</p> <ul style="list-style-type: none"> C08J3/226: the polymeric material to which the masterbatch carrier is added. C08J7/0427: the polymeric substrate to be coated. C08J9/0061: the polymeric component in majority in a multicomponents foamable blend. <p>5. Group C08J2400/00 was introduced on January 1st, 2012. Patent documents are continuously being reclassified. As a consequence, documents published before 01/01/2012, and to which C08J2400/00 indexing codes were allocated, are indexed in the corresponding head group. Example:</p> <ul style="list-style-type: none"> Use of PMMA as masterbatch in a polystyrene composition: C08J3/226 and C08J2325/06 and C08J2433/00, instead of C08J2433/10. <p>6. In the following subgroups, the codes of C08J2400/00 - C08J2499/00 are used to specify:</p> <ul style="list-style-type: none"> C08J3/226: the polymeric carrier in a masterbatch. C08J5/12: the chemical nature of the adhesive C08J7/0427: the chemical nature of the coating(s). C08J9/0061: the polymeric component in minority in a multicomponents foamable blend. C08J9/224, C08J9/236, C08J9/36, C08J9/40 and C08J9/42: the polymer used for coating, binding, or impregnating the foam. C08J9/26: the polymer to be leached out.

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<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
		<ul style="list-style-type: none"> • C08J9/224, C08J9/236, C08J9/36, C08J9/40 and C08J9/42: the polymer used for coating, binding, or impregnating the foam. • C08J9/26: the polymer to be leached out. • C08J9/33 and C08J9/35: the foam fragments included in the (foamable) polymer matrix. • in all other subgroups, when the presence of a polymeric component in minority is of relevance. 	<ul style="list-style-type: none"> • C08J9/33 and C08J9/35: the foam fragments included in the (foamable) polymer matrix. • in all other subgroups, when the presence of a polymeric component in minority is of relevance.

*N = new note, M = modified note, D = deleted note

NOTE: The "Location" column only requires the symbol PRIOR to the location of the note. No further directions such as "before" or "after" are required.

2. A. DEFINITIONS (new)

Insert: The following new Definitions.

C08J 7/0423

Definition statement

Multiple coatings on a polymeric substrate with at least one layer of inorganic material and at least one layer of a composition containing a polymer binder.

Relationships with other classification places

See the Relationships section of C08J 7/00.

Special rules of classification

See the Special Rules section of C08J 7/00

C08J 7/0427

Definition statement

Coating a polymeric substrate with a single layer containing a polymer binder.

References

Limiting references

This place does not cover:

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Multiple coatings on a polymeric substrate	C08J 7/042
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Coating compositions based on unspecified macromolecular compounds	C09D 201/00 - C09D 201/10
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Special rules of classification

The coating of a specific polymeric substrate with a layer of an unspecified polymer binder is using Indexing Codes of the groups [C08J 2300/00](#) - [C08J 2399/00](#).

When the presence of one or several additional polymers, present in minority, is of relevance, this additional polymer is specified using Indexing Codes of the groups [C08J 2400/00](#) - [C08J 2499/00](#).

Example -1: Coating of a polycarbonate substrate with a protective polymeric layer is classified in [C08J 7/0427](#) and [C08J 2369/00](#).

When both the substrate and the coating are unspecified the classification [C08J 7/0427](#) alone is used.

Example -2: Coating a polycarbonate substrate with a polyurethane layer is classified in [C08J 7/0427](#) and [C08J 2369/00](#) and [C08J 2475/04](#).

2. A. DEFINITIONS (modified)

C08J7/04

Relationships with other classification places

Replace: The existing text within the Relationships with other classification places section with the following new text.

See the Relationships section of [C08J 7/00](#).

References

Delete: The entire *Limiting references* section.

Special rules of classification

Replace: The existing text within the Special rules of classification section with the following new text.

See the Special rules section of [C08J 7/00](#).

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C08J 7/042

Relationships with other classification places

Replace: The existing text within the Relationships with other classification places section with the following new text.

See the Relationships section of [C08J 7/00](#).

References

Delete: The entire *Limiting references* section.

Insert: The following new *Informative references* section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Layered products essentially comprising synthetic resin	B32B 27/00
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Special rules of classification

Replace: The word “group” in the first and second paragraphs of the Special rules of classification section with the plural “groups” so that the text reads as follows. Delete existing bullet points from the first two paragraphs.

The treatment of specific polymers is indicated using Indexing Codes of the groups [C08J 2300/00](#) - [C08J 2399/00](#).

When the presence of one or several additional polymers, present in minority, is of relevance, this additional polymer is specified using Indexing Codes of the groups [C08J 2400/00](#) - [C08J 2499/00](#).

Example - Coating of a polypropylene film with a polyurethane layer and a polyepoxy layer is classified in [C08J 7/00](#) and [C08J 2323/12](#) and [C08J 2475/04](#) and [C08J 2463/00](#).

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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
C08J 7/045	Full definition		<u>Delete</u> : The entire definition.
C08J 7/047	Full definition		<u>Delete</u> : The entire definition.

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	C08J 7/04	C08J7/04, C08J7/043, C08J7/044, C08J7/046, C08J7/048, C08J7/05, C08J7/052, C08J7/054, C08J7/056
D	C08J 7/045	<administrative transfer to C08J7/0423>
D	C08J 7/047	<administrative transfer to C08J7/0427>

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F and Q type entries are included in the table above.
- When multiple symbols are included in the "To" column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: "<administrative transfer to XX>", "<administrative transfer to XX and YY simultaneously>", or "<administrative transfer to XX, YY, ...and ZZ simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be "additional information".
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations "ADD" or "INV": <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the "D" entries of 2000-series or Y-series groups may not require a destination ("To") symbol, however it is required to specify "<no transfer>" in the "To" column for such cases.
- RCL is not needed for finalization projects.

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4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
C08J 7/0423	C08J 7/04	NEW
C08J 7/0427	C08J 7/04	NEW
C08J 7/043	C08J 7/043	NEW
C08J 7/044	C08J 7/044	NEW
C08J 7/045		DELETE
C08J 7/046	C08J 7/046	NEW
C08J 7/047		DELETE
C08J 7/048	C08J 7/048	NEW
C08J 7/05	C08J 7/05	NEW
C08J 7/052	C08J 7/052	NEW
C08J 7/054	C08J 7/054	NEW
C08J 7/056	C08J 7/056	NEW

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

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5. CROSS-REFERENCE LIST (CRL)

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
A61J 1/14	C08J 7/047	Informative references	<u>Replace</u> : The existing Informative references symbol C08J 7/047 with the new symbol C08J 7/0427.
C09D 167/00	C08J 7/047	Informative references	<u>Replace</u> : The existing Informative references symbol C08J 7/047 with the new symbol C08J 7/0427.
C09D 169/00	C08J 7/047	Informative references	<u>Replace</u> : The existing Informative references symbol C08J 7/047 with the new symbol C08J 7/0427.

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions **inside** the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced** D symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.